

Kickoff Meeting Agenda

Project Name Smart Agriculture System based on IoT

Project Manager Suryansh Choudhary

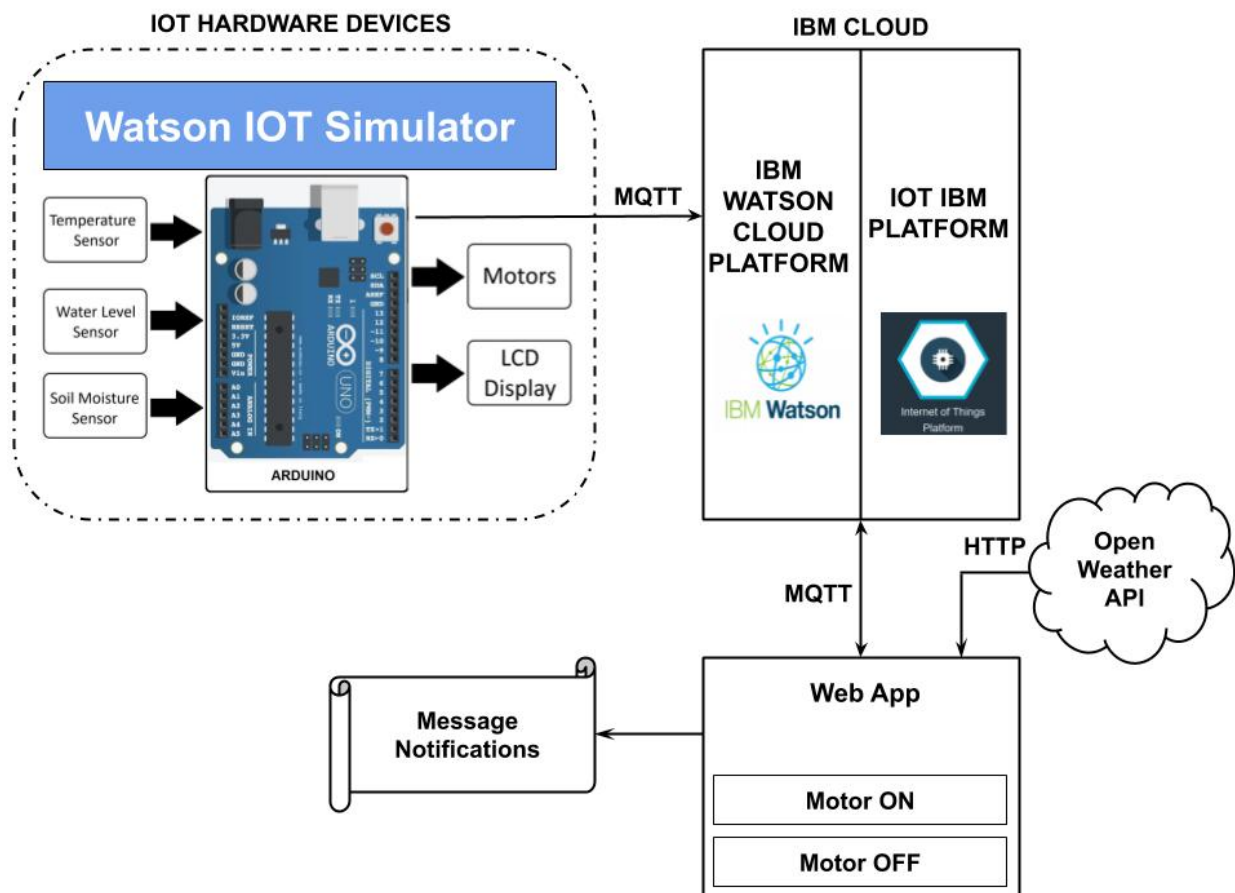
Project Duration 4 weeks

Kickoff Date June 8, 2020

Project Objectives

- Smart Agriculture System based on IoT can monitor soil moisture and climatic conditions to grow and yield a good crop.
- The farmer can also get the realtime weather forecasting data by using external platforms like Open Weather API.
- Based on all parameters he can water his crop by controlling the motors using the mobile application from anywhere.

Project Block Diagram



Project Schedule

S.No	Activity	Task	Date	Duration
1	Project Planning & Kickoff	Project Scope, Schedule, Team & Deliverable	8/6/20	1 Day
		Setup The Development Environment	9/6/20	1 Day
2	Explore IBM Cloud Platform	Create IBM Cloud Account	10/6/20	1 Hour
		Install The Node Red Locally	10/6/20	5 Hours
		IBM Watson IoT Platform	11/6/20	15 Minutes
		Install Python IDE	11/6/20	1 Day
3	Connect the IoT Platform To Watson IoT Platform	Connect The IoT Platform To Watson IoT Platform	12/6/20	15 Minutes
4	Research	Block Diagram Smart Agriculture System	12/6/20 to 15/6/20	3-4 Hours Each Day
5	Configure The Node Red To Get The Data From IBM IoT Platform & Open Weather API	Install The Required Nodes In Your Node Red	16/6/20	1 Hour
		Connect IBM IoT Device To Get The Simulator Data	16/6/20	1 Hour
		Configure The Node Red To Get The Data From IBM IOT Platform And Open Weather API	16/6/20	1 Hour
		Configure Your Node Red To Get The Weather Forecasting Data Using HTTP Requests	16/6/20	30 Minutes
6	Building A Web App	Configure The Nodes To Display The Weather Parameters From IOT Simulator And Open Weather API In UI	17/6/20 to 23/6/20	4-5 Hours Each Day
		Configure The Nodes For Creating Buttons And Sending Commands To IOT Platform	24/6/20	2 Hours
7	Configure Your Device To Receive The Data From The Web Application And Control Your Motors	Write A Python Code To Subscribe To IBM IOT Platform And Get The Commands	25/6/20 to 28/6/20	3-4 Hours Each Day
8	Review	Review & Changes	29/6/20 to 1/7/20	2-3 Hours Each Day
9	Documentation	Project Documentation	2/7/20 to 3/7/20	2-3 Hours Each Day